

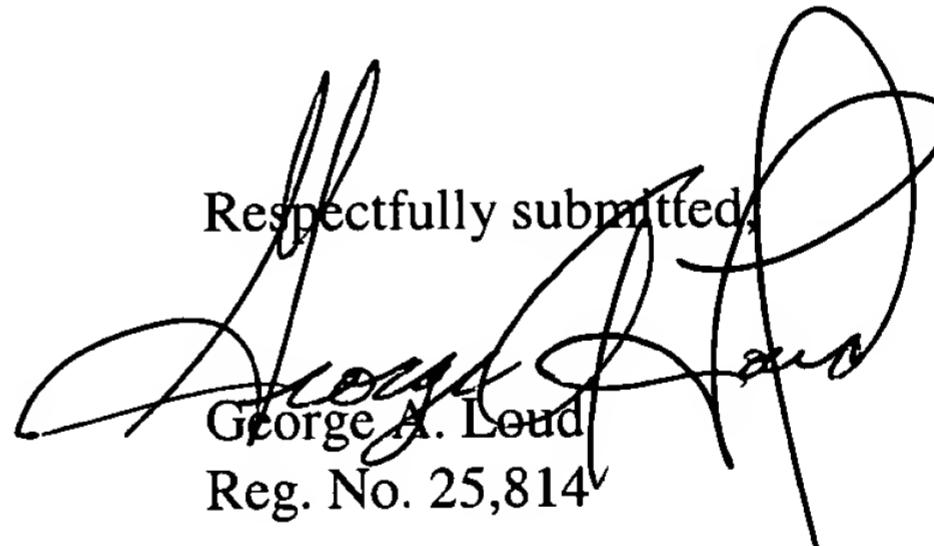
REMARKS

Responsive to paragraph 2 of the office action, a new Abstract of less than 150 words is submitted herewith as a "Substitute Abstract." The "Substitute Abstract" contains no new matter. In order that the examiner can satisfy himself in this regard, also submitted herewith is a copy of the original Abstract as marked-up, from which the "Substitute Abstract" was typed.

The rejection for indefiniteness as set forth in paragraph 3 of the office action is respectfully traversed in view of the present amendments which clarify the recitation in question with regard to the second grooves being formed on the outer cylindrical surface of the brackets.

It is respectfully submitted that the application is now in condition for allowance.

Respectfully submitted,

  
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--As shown in FIGS. 1 and 2, a motor 1 according to a first embodiment of the present invention is configured in the following manner. Right and [an] left brackets 5r and 5l support opposite ends of a support shaft (rotor shaft) 3 of a rotor 2 and clamp a stator 6 from opposite sides, so that the stator 6 is fixed to the right and [an] left brackets 5r and 5l. The right and left brackets 5r and 5l support the opposing [opposite] ends of the rotor shaft 3 via corresponding ball bearings 4. An electromagnetic brake unit 7 for braking rotation of the rotary shaft 3 is attached to the left bracket 5l. The rotor shaft 3 also serves as a rotating shaft of the motor 1.--

--Being firmly fitted to the right and left brackets 5r and 5l and the stator core 11, the binders 30 clamp the right and left brackets 5r and 5l such that the right and left brackets 5r and 5l are urged toward each other. Thus, the stator 6 is [are] firmly clamped between the right and left brackets 5l and 5r. Flanged cylindrical coil covers 26 are seated at the bottom portions of the right and left brackets 5r and 5l (see FIG. 2) so as to cover the outer end surfaces and inner circumferential surfaces of the portions of the field coils 18 which project from the stator core 11.--

1. (Amended) A motor comprising:

a rotor having a rotor shaft projecting axially outward from opposite ends of said rotor;

a stator having a stator core consisting of a plurality of circular substrates arranged in layers, said stator core having a plurality of first grooves formed on a cylindrical outer surface of said stator core, [such that] said first grooves being [are] arranged with a [at] predetermined spacing around the circumference of the stator core [along a circumferential direction] and extending in an axial direction;

right and left brackets, each of said brackets having [assuming] the form of a bottomed cylinder, [each of said right and left brackets] having a bearing portion at a bottom portion of the cylinder so as to support said rotor shaft, having a plurality of engagement projections formed at an axially inner end and projecting [in such a manner as to project] axially inward so as to be fitted into said first grooves, and having a plurality of second grooves formed on a cylindrical outer surface such that said second grooves are arranged at predetermined spacing around the circumference of said cylindrical outer surface of each of said brackets [along the circumferential direction] and extend in the axial direction, with [and such that] said second grooves formed on said right bracket [are] aligned with said second grooves [those] formed on said left bracket; and a plurality of binders each having opposite ends bent so as to form engagement portions, said binders being fitted into said second grooves such that the engagement portions are engaged with axially outer ends of said right and left brackets to thereby clamp said stator core axially inward from axially opposing ends [opposite sides].

3. (Amended) A motor according to Claim 1, wherein said second grooves are shallow grooves whose cross sections each have [assume] a shape of a squarish letter U.

5. (Amended) A motor comprising:

a rotor having a rotor shaft projecting axially outward from opposite ends of said rotor;

a stator having a stator core consisting of a plurality of circular substrates arranged in layers, said stator core having a plurality of dovetail grooves formed on a cylindrical outer surface of said stator core, [such that] said dovetail grooves being [are] arranged with a [at] predetermined spacing around the circumference of said stator core [along a circumferential direction] and extending [extend] in an axial direction; and

right and left brackets, each of said brackets having [assuming] the form of a bottomed cylinder, [each of said right and left brackets] having a bearing portion at a bottom portion of the cylinder so as to support said rotor shaft, and having a plurality of engagement projections formed at an axially inner end and projecting [in such a manner as to project] axially inward so as to be fitted into said dovetail grooves, wherein

opening edge portions of said dovetail grooves are crimped with [caulked while] said engagement projections [are] fitted into said dovetail grooves, so as to fix said engagement projections and said dovetail grooves to each other, to thereby clamp said stator core axially inward from opposing ends [opposite sides].

6. (Amended) A motor according to Claim 2, wherein said second grooves are shallow grooves whose cross sections each have [assume] a shape of a squarish letter U.